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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/775,299	02/09/2004	Aaftab Munshi	500493.02 (29624/US/2)	1142

7590 10/15/2004
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EXAMINER

MONESTIME, MACKLY

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 10/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/775,299

Applicant(s)

MUNSHI ET AL.

Examiner

Mackly Monestime

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25-42.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 25-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 31-42 is/are allowed.
- 6) ☒ Claim(s) 25-29 is/are rejected.
- 7) ☒ Claim(s) 30 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) *
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/9/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-24 are canceled and newly added claims 25-42 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 25-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Breternitz Jr. (US Patent No. 5,659,699).
4. As per claims 25-26, and 28-29, Breternitz Jr. disclosed the invention as claimed, including a method for caching texture data stored in a memory, comprising: assigning a first identification ID number (first tag; col. 3, line 39; col. 6, lines 5-8) to a first block of graphics data; storing the first block of graphics data at memory locations in the memory having corresponding memory addresses, caching at least a portion of the first block of graphics data; storing for the cached portion of the first block of graphics data tags related to the memory addresses at which the cached portion is stored in the memory and the first ID number (col. 3, lines 38-57; col. 4, lines 56-57; displaying text and graphics or animated graphics or video); assigning a second ID number (second tag; col. 3, line 39; col. 6, lines 5-8 31) to a second block of graphics data; storing the second block of graphics data in at least a portion of the memory locations in the memory; caching at least a portion of the second block of graphics data; and storing for

the cached portion of the second block of graphics data tags related to the memory addresses at which the cached portion is stored in the memory and the second ID number (col. 3, lines 38-57; col. 4, lines 56-57; displaying text and graphics or animated graphics or video).

5. As per claim 27, Breternitz Jr. disclosed wherein storing the first block of graphics data in the memory and storing the second block of graphics data in the memory comprises storing the first and second blocks of graphics data in a computer system memory (Fig. 2, Item No. 50; col. 6, lines 5-8).

Allowable Subject Matter

6. Claims 31-42 are allowable over the prior art of record.

7. Claim 30 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The prior art of record fail to teach or suggest individually or in combination a method for caching texture data in a memory, wherein the method further comprises the following distinct steps of: storing for the cached portion of the second block of graphics data tags and the second ID number comprises in the event a stored tag for graphics data of the cached portion of the first block of graphics data has the same tag for graphics data of the cached portion of the second block of graphics data, replacing the first ID number associated with the graphics data of the cached portion of the first block of graphics data with the second ID number for the graphics data of the cached portion

of the second block of graphics data (as per claim 30). These distinct steps of the present claims invention were not found to be anticipated, suggested or made obvious by the prior art of record, either singularly or in combination.

9. The prior art of record fail to teach or suggest individually or in combination a method for providing graphics data stored in a memory in response to a request, wherein the method further comprises the following distinct steps of: "comparing the requested tag and value to the stored tags and values; providing the cached block of graphics data corresponding to the tag and value in response to both the requested tag and value matching a stored tag and value; and otherwise, retrieving the graphics data from the memory corresponding to the requested tag and value and providing the same in response to the request" (as per claims 31 and 35); and further failed to disclose: in the event that the requested tag matches one of the stored tags and the requested ID number does not match the corresponding stored ID number, retrieving a block of graphics data corresponding to the requested tag and ID number, storing the tag and ID number of the retrieved block of graphics data, caching the associated block of graphics data, and providing the retrieved block of graphics data (as per claim 39). These distinct steps of the present claims invention were not found to be anticipated, suggested or made obvious by the prior art of record, either singularly or in combination.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mackly Monestime whose telephone number is (703)

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305-3855. The examiner can normally be reached on Monday to Thursday from 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bella Matthew, can be reached on (703) 308-6829.

Any response to this action should be mailed to:

Commissioner of Patent and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Mackly Monestime

Patent Examiner

October 6, 2004



MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600